RYZHIKOV, K.M.; GUBANOV, N.M.

Cestode fauna of birds of the order Anseriformes in Verkhoyansk District (Yakutia). Trudy Gel'm. lab. 9:243-248 '59.
(MIRA 13:3)
(Verkhoyansk District--Cestoda) (Parasites--Water birds)

SPASSKIY, A.A.; GUBANOV, N.M.

Unusual form of a dioecious cestode. Trudy Inst.morf.zhiv. no.27:91-100 '59. (MIRA 13:2)

1. Gel'mintologicheskaya laboratoriya AN SSSR.
(Cestoda)

RYZHIKOV, K.M.; GUBANOV, N.M.

Lateriporus mathevossianae, a new species of cestode from anserines.
Trudy Gel'm. lab. 12:106-108 '62. (MIRA 15:7)
(Vakutia--Parasites--Anseriformes)
(Yakutia--Cestoda)

GUBANOV, N.M.; RYZHIKOV, K.M.

Trematodes of anserine birds of the Verkhoyansk Range. Nauch. soob. IAFAN SSSR no.1:109-114 '58. (MIRA 17:1)

GUBANOV, N.M.

Infestation of rodents in Yakutia by larval cestodes. Nauch. soob. IAFAN SSSR no.1:155-160 '58. (MIRA 17:1)

GUBANOV, Nikolay Mikhaylovich; SOBOLEV, A.A., doktor biol. nauk, otv. red.;

[Helminths of commercial mammals of Yakutia] Gel'mintofauna promyslovykh mlekopitaiushchikh IAkutii. Moskva, Izd-vo "Nauka," 1964. 162 p. (MIRA 17:6)

GUBANOV, N.P., inzh.

KDS-1 pit excavator. Transp.stroi. 9 no.3:57-58 Mr '59.
(MIRA 12:4)

(Excavating machinery)

GUBANOV, N.P., inzh.

The TKE-58 crane. Transp.stroi. 9 no.6:56-57 Je '59. (MIRA 12:11)
(Cranes, derricks, etc.)

BONDARENKO, N.A., inzh.; RATNER, A.M., inzh.; SOKOLOV, K.A., inzh.; GUBANOV, N.P., inzh.; SORIN, N.M., inzh.; TARAKANOV, G.P., inzh.; IVANOV, S.M., inzh.; NIRK, A.D., inzh.; ROVKAKH, S.Ye., kand.tekhn.nauk; FILIPPOV, V.V., inzh.; KHAYKIS, L.B., kand.tekhn.nauk; LEBEDEV, V.I., inzh.; VELICHKIN, Ye.A., inzh., red.; KHITROV, P.A., tekhn.red.

[Handbook for machinery operators of construction areas] Spravochnik mekhanika stroitel'nogo uchastka. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1960. 619 p.
(MIRA 14:1)

(Building machinery--Maintenance and repair)

BONDARENKO, N.A., inzh.; RATNER, A.M., inzh.; SOKOLOV, K.A., inzh.; GUBANOV, N.P., inzh.; SORIN, N.M., inzh.; TARAKANOV, G.P., inzh.; IVANOV, S.M., inzh.; NIRK, A.D., inzh.; ROVKAKH, S.Ye., kand.tekhn. nauk; FILIPPOV, V.V., inzh.; KHAYKIS, L.B., kand.tekhn.nauk; LEBEDEV, V.I., inzh.; VELICHKIN, Ye.A., inzh., red.; KHITROV, P.A., tekhn.red.

[Handbook for mechanics of a construction project] Spravochnik mekhanika stroitel'nogo uchastka. Pod red. K.A.Sokolova. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 619 p. (MIRA 14:3)
(Mechanical engineering) (Road machinery)
(Railroads--Construction)

GUBANOV, P.G.

Life and work of telegraph operators in Vladivostok. Vest. sviazi. 24 no.8:15-17 Ag '64. (MIRA 17:10)

1. Nachal'nik Vladivostokskogo telegrafa.

GUBANOV, F. G.

"Organizational Problems of Agricultural Production on the State Meat Farms of Northern Kazakhstan in Relation to Converting Them to Meat and Dairy Farms; for Example, the Bistyubinskiy State Meat Farm)." Cand Agr Sci, Alma-Ata Zooveterinary Inst, Alma-Ata, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions. (14)

GUBANOV, Petr Petrovich

[Builders of turbines; the past and present of a Leningrad metalworking plant] Stroiteli turbin; o proshlom i nastoiashchem Leningradskogo stroitel'nogo zavoda. Leningrad, Lenizdat, 1959. 120 p. (MIRA 13:7)
(Leningrad--Turbines)

GUBANOV, R.

PA 26/49T89

USSR/Radio Apparatus
Vacuum Tubes

Jan 49

"Substitutes for ZOPIM and ZOTsIM Tubes,"
R. Gubanov, 1 p

"Radio" No 1

Gives the transformer arrangements when ZOPIM or ZOTSIM tubes are replaced (because they are unavailable) by 6V6's, 6F6's or V-360's. If the 6V6 is used, for example, autotransformer is used for the filament, and voltage-doubling selenium or cuproxic rectifier is used for the plate.

[redacted] 26/49T89

L 37685-66 EWT(m)/T DS

ACC NR: AT6021243 SOURCE CODE: UR/3217/65/000/001/0035/0040

AUTHOR: Gubanov, R. A. (Engineer)

ORG: none

TITLE: Using the ion-mechanical sensor for measuring small displacements

SOURCE: Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Priborostroyeniye, no. 1, 1965, 35-40

TOPIC TAGS: signal transducer, speed transducer, acceleration transducer, displacement transducer

ABSTRACT: An experimental model of a neon-filled mechanotron (see Fig.1) built by remodeling a Soviet-made VP-2 vacuum switch is described. Fixed electrodes 1 2 are sealed in glass envelope 1; moving electrode 3 is fastened to diaphragm 5 which is glass-sealed at 4. Mechanical input (displacement, speed, or acceleration) is applied to rod 6. The rod displacement is measured as a bridge-circuit unbalance voltage (see Fig. 2) by a center-zero voltmeter calibrated in microns (0—2and 0—20). The mechanotron sensitivity is claimed to be 1.4 v/μ at 600 v applied voltage; internal resistance of each half of the mechanotron is 200 kohms. The calibration method and connection diagrams of the sensor and its d-c amplifier are given. Orig. art. has: 6 figures. [03]

Card 1/2

L 37685-66

ACC NR: AT6021243

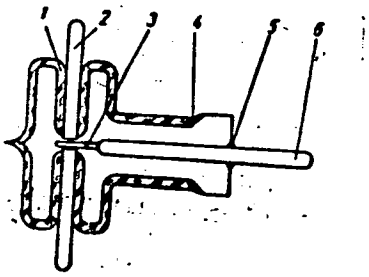

Fig.1. Neon-filled mechanotron

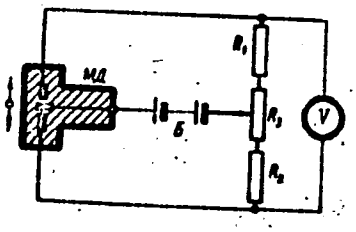

Fig. 2. Principal mechanotron measuring circuit

SUB CODE: 14, 09 / SUBM DATE: 09Feb66 / ORIG REF: 004/ ATD PRESS: 5041

Card 2/2

GUBANOV, S.

Improve the quality of housing construction. Na stroi. Mosk. 2 no.5: 1-3 My '59. (MIRA 13:1)

1. Nachal'nik otdela inspektsii Gosarkhstroykontrolya Moskvy. (Moscow--Apartment houses)

GUBANOV, V., inzh.

Assemblers' flagship. IUn.tekh. 4 no.8:40 Ag '60.
(MIRA 13:9)
(Oil well drilling, Submarine--Equipment and supplies)
(Floating cranes)

ERSHMAN, David Mikhaylovich; GUBANOV, Viktor Aleksandrovich; KATCHENKOV, S.M., red.; FREGER, D.P., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Increase in sensitivity in the spectral determination of elements] Povyshenie chuvstvitel'nosti spektral'nogo opredeleniia elementov. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Kontrol' kachestva produktsii, no.2) (MIRA 16:10)
(Chemical elements--Spectra)

L 16632-65 EWT(m)/EPF(c)/EPR/EWP(j) Pc-4/Pr-4/Ps-4 RPL/AFETR WW/RM
ACCESSION NR: AP4044198 S/0079/64/034/008/2802/2803

AUTHOR: Gubanov, V. A.; Tumanova, A. V. ; Dolgopol'skiy, I. M.; Shcherbakov, V. A.

TITLE: Reaction of perfluoromethylperfluorovinyl ether with hydrogen halides

SOURCE: Zhurnal obshchey khimii, v. 34, no. 8, 1964, 2802-2803

TOPIC TAGS: perfluoromethylperfluorovinyl ether, hydrohalogenation, vapor phase hydrohalogenation, catalytic hydrohalogenation, physical property, chemical property, dihaloperfluoromethyoxyethane

ABSTRACT: The addition of the hydrogen halides to perfluoromethylperfluorovinyl ether $CF_3OCF = CF_2$ (I) was investigated. HF added to I by reaction at 115-120C for 21 hours with KF in formamide to form $CF_3OCFHCF_3$. The sodium salt of the perfluoromethyoxyperfluoropropionic acid in diethylene glycol pyrolysed at 170C to $CF_3OCF_2CF_2H$. HCl and HBr added to I in vapor phase at atmospheric pressure at 200C over a catalyst (0.75: 0.25 mixture of active carbon and $CaSO_4$)

Card 1/2

L 16632-65
ACCESSION NR: AP4044198

to produce $CF_3OCFHCF_2Cl$ and $CF_3OCFHCF_2Br$, with some of the dihalo derivative $CF_3OCFClCF_2Cl$ or $CF_3OCFBrCF_2Br$. The latter was also obtained by brominating $CF_3OCF=CF_2$ with liquid bromine. The addition of HI to F was not successful. These monohydromonohaloperfluoromethyoxyethanes were fairly stable, did not split off hydrogen halides even in 30% alkali. Their nuclear magnetic resonance spectra were studied; values of their physical and chemical properties and of the relative chemical shift are tabulated. Orig. art. has: 1 table

ASSOCIATION: None

SUBMITTED: 08Apr64 ENCL: 00

SUB CODE: GC NO REF SOV: 001 OTHER: 001

Card 2/2

TUMANOVA, A.V.; GUBANOV, V.A.; DOLGOPOL'SKIY, I.M.

Reactions of silver salt of perfluoromethoxyperfluoropropionic acid with halogens. Zhur. ob. khim. 35 no.3:587-588 Mr '65.

Characteristics of the polarization of the double bond of perfluoromethylperfluorovinyl ether. Ibid.:588

(MIRA 18:4)

GUBANOV, V.A.; TUMANOVA, A.V.; DOLGOPOL'SKIY, I.M.

Certain reactions of perfluoromethyl-3,3-dihydroperfluoroallyl ester. Zhur. ob. khim. 35 no.4:754-755 Ap '65.
(MIRA 18:5)

LYUBAVIN, Yu.P.; GUBANOV, V.G.

Increasing the operational stability of the FEU-35 photoelectronic multiplier. Prib. i tekh.eksp. 6 no.4:168-169 Jl-Ag '61. (MIRA 14:9)

(Photoelectric multipliers)

ACC NR: AP6021442 SOURCE CODE: UR/0413/66/000/011/0049/0049

INVENTORS: Ovchinnikov, A. K.; Andreyev, P. F.; Alimochkin, V. K.; Gubanov, V. G.; Zolotnitskiy, V. A.; Kolesov, B. N.

ORG: none

TITLE: A method for geophysical investigation of drill holes. Class 21, No. 182255 [announced by All-Union Scientific Research Institute of Geophysical Exploration (Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 49

TOPIC TAGS: geologic exploration, geophysics, geochemistry

ABSTRACT: This Author Certificate presents a method for geophysical investigation of drill holes. The method is based on measuring the oxidizing-reducing potentials of rocks. To determine accurately the geological section of the drill hole, the walls of the hole are treated with a chemical reagent, such as hydrochloric acid, which intensifies the natural oxidizing-reducing potentials by changing the insoluble mineral forms of elements with variable valences into a soluble state. After a certain time, sufficient for dissolving the rocks, the artificially intensified oxidizing-reducing potentials are measured by the method of recording the potentials of the internal polarization.

SUB CODE: 08, 13/ SUBM DATE: 30Mar64

Card 1/1 UDC: 550.837:622.241

GUBANOV, V.G.; LYUBAVIN, Yu.P.

Increasing stability of photoelectronic multipliers. Vop.rud.geofiz, no.4:96-102 '64. (MIRA 18:1)

BONDAREV, V.M.; GUBANOV, V.G.; KOROVIN, P.K.; OVCHINNIKOV, A.K.; KHAYKOVICH, I.M.; NIKONOVA, A.I., red.

[Gamma-sampling of uranium ores in their natural occurrence] Gamma-oprobovanie uranovykh rud v estestvennom zaleganii. Moskva, Izd-vo "Nedra," 1964. 204 p. (MIRA 17:7)

BUKHARIN, DR. N. A. - BOROVSKIY, B. Ye. - VINOGRADOV, S. I. - GUBANOV, V. I.

GUREVICH, I. S. - YERSHOV, S. K. - ZOLOTILOV, I. S. - KRUGLOV, N. G.

FEDOROV, S. A.

Automobiles - Design and Construction

Experience with operating domestic automobiles in Leningrad and in Leningrad Province. Avt. trakt. prom. no. 2, 1953

9. **Monthly List of Russian Accessions**, Library of Congress, June 1953. Unclassified.

GUBANOV, V.I., inzh.

Restoration of the shafts of electric generators in track laying machines. Energetik 8 no.2:21-22 F '60.
(MIRA 13:6)

(Railroads—Tracklaying machinery)

GUBANOV, V.I., inzh.-energetik (Kaluga)

How to test the insulation of armature coils. Put' i put. khoz. 4 no.4:39-40 Ap '60. (MIRA 13:7)
(Railroads--Electric equipment--Testing)

SHTERNBERG, G.L., inzh.; GUBANOV, V.M.

Precast reinforced concrete gantries for hoisting mechanisms.
Gidr. i stroi. 30 no.5:12-17 My '60. (MIRA 14:5)
(Precast concrete construction)
(Hoisting machinery)

GUBANOV, V.N.

Effect of darkness and vitamins on rooting of cuttings of the remontant carnation Dianthus caryophyllus L. Izv. AN Turk.SSR. Ser. biol. nauk no.4:69-71 '65. (MIRA 18:9)

1. Botanicheskiy sad AN Turkmenskoy SSR.

GUBANOV, V.N.

Cultivation and varieties of remontant carnations in Ashkhabad.
Izv. AN Turk. SSR. Ser. biol. nauk no.3:68-71 '64
(MIRA 18:2)

1. Botanicheskiy sad AN Turkmenskoy SSR.

GUBANOV, V. P.

USSR/ Chemistry - Recording potentiometers

Card 1/1 Pub. 147 - 25/35

Authors : Makhlis, A. I.; Makushenko, V. M.; and Gubanov, V. P.

Title : Utilization of industrial automatic self-recording electron potentiometers in the role of precision instruments in physico-chem. investigations

Periodical : Zhur. fiz. khim. 30/1, 202-203, Jan 1956

Abstract : The possibility of utilizing industrial EPP-09, EPD-07 automatic potentiometers and other electron potentiometers with sensitivity to a voltage of several millivolts, is discussed. Single- and multi-point electronic potentiometers were found highly suitable in phys-chem. analyses provided their voltage sensitivity was increased many times. This was achieved by modifying the bridge circuit parameters and the parameters of the multi-point input switching device and by increasing the gain factor of the electron amplifier. Wiring diagram.

Institution : Leningrad Chemicopharmaceutical Institute

Submitted : July 14, 1955

MAKHLIS, A.I.; MAKUSHENKO, V.M.; GUBANOV, V.P.

Increasing the sensitivity of industrial electronic recording potentiometers. Zhur. fiz. khim. 30 no.11:2585-2587 N '56. (MLRA 10:4)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Potentiometer)

L 9892-66 EWT(1)/EWA(h)

ACC NR: AP6000333 SOURCE CODE: UR/0286/65/000/021/0031/0031

INVENTOR: Gubanov, V. P.; Lambert, V. B.; Levelev, A. G.; Makushenko, V. M.; Makhlis, A. I.

ORG: none

TITLE: Dc electronic null indicator. [Announced by the Experimental Design Bureau of Precision Electronic Instrument Making (Opytno-konstruktorskoye byuro pretsizionnogo elektronnogo priborostroyeniya)]. Class 21, No. 176011

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 31

TOPIC TAGS: electronic indicator, null indicator, dc indicator

ABSTRACT: This Author Certificate introduces a dc electronic null indicator which consists of a dc-to-ac inverter with input, output, and modulating coils, an amplifier, a time selector, a difference detector, a balance modulator, and an indicating unit. To increase vibration stability and sensitivity, a sliding element made of a nonmagnetic current-conducting material is placed between the input and output coils of the inverter. The element interacts with the magnetic field of the input coil, the magnetic field in turn is proportional both to the measured current flowing through the coil and to the magnetic field of the modulating coil. The element induces periodic electrical oscillations in the output coil which are then passed to the amplifier input. Orig. art. has: 1 figure. [JR]

SUB CODE: 09/ SUBM DATE: 17Sep63/ ATD PRESS: 4165

Card 1/1 UDC: 621.3.085.3.024

GUBANOV, Vladimir Semenovich; ZOLOTAREVSKIY, Iosif Yakovlevich; SAPRYKIN, Anatoliy Vasil'yevich; LYUDSKOV, B.P., red.; GROMOV, A.S., tekhn. red.

[Containers; practical manual] Tara; prakticheskoe posobie. Moskva, Gos. izd-vo torg. lit-ry, 1961. 223 p. (MIRA 15:3)
(Containers) (Freight and freightage)

ZOLOTAREVSKIY, I.Ya.; SAPRYKIN, A.V.; GUBANOV, V.S.; GAGHETSKOV, V.Z.; ILYUSHIN, A.P., red.; EL'KINA, E.M., tekhn. red.

[The container] Tara. Izd.2., perer. Moskva, Gostorgizdat, 1963. 229 p. (MIRA 17:1)

(Containers)

ACCESSION NR: AP4018873 S/0043/64/000/001/0169/0172

AUTHOR: Gubanov, V. S.

TITLE: Estimation of the tidal variation of the vertical in the astronomical determination of time

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 1, 1964, 169-172

TOPIC TAGS: time, time determination, astrometry, spherical astronomy

ABSTRACT: Theoretically, the problem of the effect of tides on the vertical has been worked out with sufficient accuracy. However, this effect has not been taken into account in practical calculations, due to its low value. At present, due to the greater accuracy of astronomical observations, this error has become more important. The paper includes tables convenient for practical use, which were compiled on the basis of known formulas. Even though the computed figures are at the limit of accuracy for the astronomical determination of time, they will certainly be used in the future for highly accurate investigations. "In conclusion, the author thanks Prof. N.N. Pavlov for his valuable comments and for suggesting the problem." Orig. art has: 1 figure, 2 tables and 6 equations.

Card 1/2

GUBANOV, V.V., inzh.

Converting a single-phase voltage into a three-phase voltage by means of ferroresonant stabilizers. Izv. vys. ucheb. zav.; energ. no.3:46-51 Mr '58. (MIRA 11:5)

1.Leningradskiy sel'skokhozyaystvennyy institut.
(Electric current converters)

GUBANOV, V.S.

Lunar diurnal wave according to observations of certain time services. Vest. LGU 20 no.13:163-164 '65. (MIRA 18:7)

L 01227-66 EWT(1) GW
ACCESSION NR: AP5019939

UR/0043/65/000/003/0163/0164

AUTHOR: Gubanov, V. S.

55

36
B

TITLE: The lunar-diurnal wave according to observations at several time-service stations

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 3, 1965, 163-164

55

TOPIC TAGS: lunar motion, diurnal variation, optic instrument

12,55

ABSTRACT: Observations made with the following instruments were used to determine the amplitude of the lunar-diurnal wave: the Zeiss 14546 at Pulkovo, the FZT at Greenwich, and the FZT at Tokyo. The amplitudes observed at these three stations are given in abbreviated form in a table. Orig. art. has: 5 formulas and 1 table.

ASSOCIATION: none

SUBMITTED: 05Nov64 ENCL: 00 SUB CODE: AA

NO REF SOV: 003 OTHER: 002

Card 1/1 KC

GUBAKOV, V.V., Cand Tech Sci -- (diss) "Feeding three-phase agricultural load with one-phase transmitting across stationary phase transformers." Len, 1959, 20 pp (Min of Agr USSR. Len Agr Inst. Engineering Faculty) 150 copies (KL, 28-59, 126)

GUBANOV, V.V., inzh.

Transformer for converting single phase into three-phase current. Izv.vys.ucheb.zav.; energ. 2 no.6:16-23 Je '59. (MIRA 13:2)

1. Leningradskiy sel'skokhozyaystvennyy institut. Predstavlena kafedroy elektricheskikh mashin, stantsiy i sistem.
(Electric transformers)
(Electric current converters)

GESSEN, V.Yu., doktor.tekhn.nauk; GUBANOV, V.V., kand.tekhn.nauk

Static single-phase three-phase phase number converter. Elektrotekhnika 35 no.2:37-40 F '64. (MIRA 17:3)

L 33115-66

ACC NR: AP6024083 SOURCE CODE: UR/0144/66/000/002/0235/0236

AUTHOR: Zav'yalov, A. S.; Get'man, A. A.; Molchanov, V. D.; Krasyuk, N. P.; Agranovskiy, K. Yu.; Berger, A. Ya.; Greyer, L. K.; Yesakov, V. P.; Miller, Ye. V.; Fyatman, K. I.; Abryutin, V. N.; Zubanov, V. V.; Oranskiy, M. I.; Yevseyev, M. Ye.; Morkin, G. B.; Sinol'nikov, Yo. M.; Avilov-Karnaukhov, B. N.; Bogush, K. G.; Bolyayev, I. P.; Pokker, I. I.; Chernyavskiy, F. I.

ORG: none

TITLE: O. B. Bron (on his 70th birthday)

SOURCE: IVUZ. Elektromekhanika, no. 2, 1966, 235-236

TOPIC TAGS: electric engineering personnel, circuit breaker

ABSTRACT: Osip Borisovich Bron was born in 1896 in Klintsi. In 1920, he graduated from the physics-math faculty of Khar'kov Technological Institute. He became a professor in 1930. He defended his doctor's thesis in 1940. During the second world war, he was in the navy. After demobilization in 1950, Engineer Colonel Bron went to work teaching at the Leningrad Industrial Correspondence School. He became the head of the Chair of Theoretical Bases of Electrical Technology in 1958. He is closely associated with scientific and development work, and has cooperated closely in this area with the Leningrad "Elektrosila" plant since 1946. His work has been in the areas of spark-damping and high-power circuit breakers. He has published over 140 scientific works and 19 inventions. [JPRS]

SUB CODE: 05, 09 / SUBM DATE: none

Card 1/1

GUBANOV, V.Ye., inzh.; VASIL'YEV, K.A.; ZAV'YALOV, A.S.; KOMOGORTSEV, P.Ya., red.; BEGICHEVA, M.N., tekhn.red.

[Ship systems] Sudovye sistemy. Moskva, Izd-vo M-va rechnogo flota SSSR, 1951. 458 p. (MIRA 12:3)
(Marine pipe fitting) (Ships--Equipment and supplies)

GUBANOV, V.Yu., podpolkovnik meditsinskoy sluzhby

Clinical aspects of gasoline pneumonia. Voen-med. zhur. no.1:38-40 Ja '56 (MLRA 10:5)

(OCCUPATIONAL DISEASES,
pneumonia caused by gasoline) (Rus)
(PETROLEUM PRODUCTS, injurious effects,
gasoline causing pneumonia in drivers) (Rus)
(PNEUMONIA, etiology and pathogenesis,
gasoline in drivers) (Rus)

GUBANOV, Ya. V.

14031* The Question of Using *Azotobacter* for Increasing the Yield of Wheat Under Conditions of the Krasnodarskii Region. (Russian.) I. M. Riabchenko and Ia. V. Gubanov. *Agrobiologiia, Sovetskaia Agronomiia*, v. 10, Apr. 1952, p. 73-77.
Field tests were made of the above. Data are tabulated.

Meteorological Abst.
Vol. 4 No. 8
Aug. 1953
Part 1
Aqueous Vapor and Hydrometeors

4.8-207 551.579.5:633.11

Gubanov, IA. V., Glubina proniknoveniia kornevoi sistemy iarovoi pshenitsy pri razlichnoi viazhnosti pochvy. [Depth of root system penetration of spring wheat under various soil moisture conditions.] Vsesoiuznaia Akademiia Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina, Doklady, No. 7:15-19, 1952. fig., 3 tables, 4 refs. DLC—Observations on growth of wheat root system were made during summer of 1950 and 1951. The wheat was shown after perennial grasses. Investigation showed that deep moistening of soi favored the continued growth of roots up to the earing stage. The ro ts of spring wheat cannot grow in layers where the soil moisture is lower than 16%. Subject Headings: 1. Soil moisture 2. Wheat 3. Agricutural meteorology.—N.T.Z.

GUBANOV, Ya. V.

"The Effect of Azotobacteria on the Growth, Development, and Yield of Wheat Under the Conditions of Krasnodar Kray." Cand Agr Sci, North Ossetian Agricultural Inst, Krasnodar, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

NOSATOVSKIY, Anton Ivanovich; GUBANOV, Ya.V., nauchn. sotr., kand. sel'khoz. nauk; TARASENKO, B.I., nauchn. sotr., kand. sel'-khoz.nauk; GRIGOR'YEVA, A.I., red.

[Wheat; its biology] Pshenitsa; biologiia. Izd.2., dop. Moskva, Kolos, 1965. 567 p. (MIRA 18:4)

1. Kubanskiy sel'skokhozyaystvennyy insti ut (for Gubanov, Tarasenko).

1. GUBANOV, YE. P. [illegible]

2. USSR (600)

4. Steam Turbines

7. Making the blade lining of a steam turbine from sheet steel. Rab. energ. 2 No. 11, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953. Unclassified.

1. GUBANOV, YE. P., Eng.

2. USSR (600)

4. Steam Turbines

7. Sealing the lubrication system of a steam turbine, Rab. energ., 3, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

GUBANOV, Ye.P., inzhener.

Repairing turbine fastenings. Energetik 4 no.6:18-19 Je '56.
(MLRA 9:8)

(Steam turbines--Maintenance and repair) (Fastenings)

GUBANOV, Yu.A., inzh. (Kuybyshev)

Universal device for the automation of pump stations in water supply systems. Vod. i san. tekh. no.1:1-3 N '63.
(MIRA 17:1)

GVERDTSITELI, I. G.; YERSHOVA, Z. B.; GUBANOV, Yu. B.

"Thermoelectrical generator with isotopic heat source."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

21C

L 18316-65 EWG(j)/EWT(l)/EWP(e)/EWG(k)/EWT(m)/EPF(c)/EPF(n)-2/EPR/EEC(b)-2/EWP(b) Pz-6/Pr-4/Ps-4/Pu-4 IJP(c)/AFWL/SSD WW/AT/WH

ACCESSION NR: AP4049532 S/0089/64/017/005/0329/0335

AUTHOR: Millionshchikov, M. D.; Gverdtsiteli, I. G.; Abramov, A. S.; Gorlov, L. V.; Gubanov, Yu. D.; Yefremov, A. A.; Zhukov, V. F.; Ivanov, V. Ye.; Kovy*rzin, V. K.; Koptelov, Ye. A.; Kosovskiy, V. G.; Kukharkin, N. Ye.; Kucherov, R. Ya.; Laly*kin, S. P.; Merkin, V. I.; Nechayev, Yu. A.; Pozdnyakov, B. S.; Ponomarev-Stepnoy, N. N.; Samarin, Ye. N.; Serov, V. Ya.; Usov, V. A.; Fedin, V. G.; Yakovlev, V. V.; Yakutovich, M. V.; Khodakov, V. A.; Kompaniyets, G. V.

TITLE: The "Romashka" high-temperature reactor-converter 19

SOURCE: Atomnaya energiya, v. 17, no. 5, 1964, 329-335

TOPIC TAGS: nuclear power reactor, reactor feasibility study, research reactor, thermoelectric converter/Romashka

ABSTRACT: The authors briefly describe the construction, parameters, test results, and operating experience of the "Romashka" reactor-

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L 18316-65
ACCESSION NR: AP4049532

converter unit, which has been in operation at the Kurchatov Atomic Energy Institute since August 1964. The fuel used is uranium dicarbide enriched to 90% U^{235}. Graphite and beryllium are used as reflectors. Electricity is generated by silicon-germanium semiconductor thermocouples distributed on the outer surface of the reflector and connected in four groups which can be connected in series or in parallel. The temperatures of the active zone and outer surface are 1770 and 1000C, respectively. The power ratings are 0.50—0.80 kW electric and 40 kW thermal, the maximum current (parallel connection) is 88 A, the neutron flux is 10^{13} neut/cm^2 sec in the center of the active zone and 7×10^{12} on its boundary. The reactor has a negative temperature reactivity coefficient. The equipment has high inherent stability and requires no external regulator, and little change was observed in the thermocouple properties after 2500 hours of operation. Tests on the equipment parameters are continuing, and the results are being analyzed for use in future designs. Orig. art. has: 8 figures and 1 formula.

Card 2/3

L 42050-65 EWT(d)/EPA(s)-2/EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c) Pf-4 JD/HM/HW

ACCESSION NR: AP5010940 UR/0286/65/000/007/0122/0122

AUTHORS: Kurkin, S. A.; Luk'yanov, V. F.; Vinokurov, V. A.; Gubanov, Yu. N.; Parakhin, V. N.

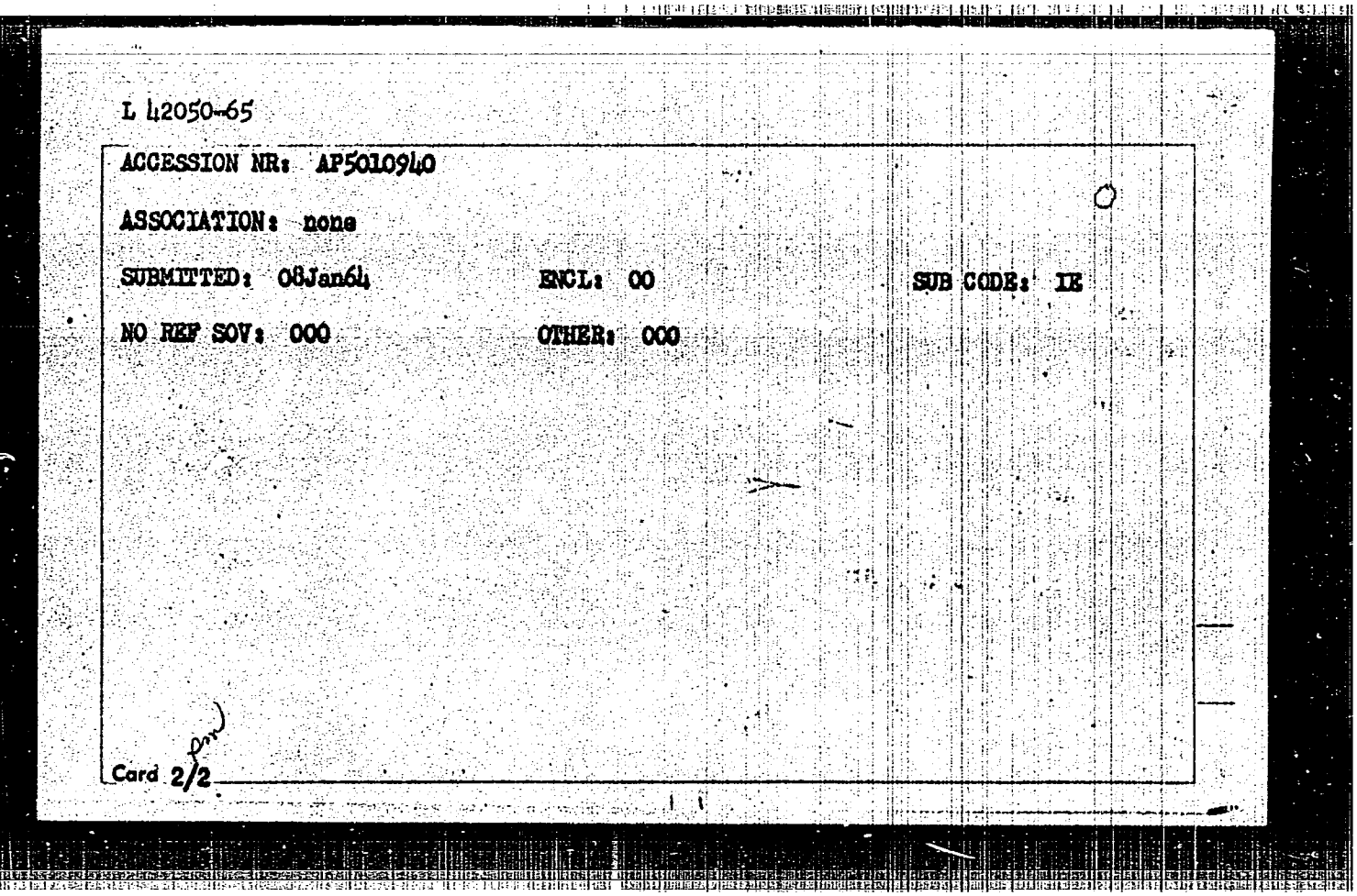
TITLE: Apparatus for testing thin sheet metal and welded joints. Class 42, No. 169849

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 122

TOPIC TAGS: sheet metal, welding evaluation, test method, hydraulic pressure, internal stress

ABSTRACT: This Author Certificate presents an apparatus for testing thin sheet metal and welded joints acted upon by biaxial tension. The apparatus uses the method of applying pressure through an opening or of applying internal pressure up to failure. To test a high strength metal, to reduce the size of the apparatus, and to measure the radius of curvature of the tested specimen, the apparatus is provided with a holding device containing two perforated plates between which the specimen and a locking ring are placed. Turning of the ring locks the upper plate by the action of a grooved joint.

Card 1/2



L 42050-65

ACCESSION NR: AP5010940

ASSOCIATION: none

SUBMITTED: 08Jan64 ENCL: 00 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

Card 2/2

L 52709-65 EWT(d)/EWT(m)/EWP(w)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b) EWP(1)/EWA(h)/EWA(c) Pf-4/Peb JD/WW/HM/HW/EM

ACCESSION NR: AP5012641 UR/0135/65/000/005/0009/0011

620.1.051:672.3

AUTHOR: Kurkin, S. A. (Candidate of technical sciences); Luk'yanov, V. F. (Engineer); Gubanov, Yu. N. (Engineer); Parakhin, V. A. (Candidate of technical sciences)

TITLE: Unit for testing models of welded thin-wall vessels under conditions of biaxial tension

SOURCE: Svarochnoye proizvodstvo, no. 5, 1965, 9-11

TOPIC TAGS: cylindrical shell, thin wall shell, design strength, burst strength, burst test welded shell, welded container, shell testing, biaxial tension test

ABSTRACT: The design and operation are described of a unit for testing the design strength of welded thin-wall shells, end closures, and containers working under internal pressure. The unit makes it possible to test 1) flat specimens by hydrostatic bulging, 2) cylindrical shells without end closures by internal pressure while preserving the axial component of the stresses, 3) cylindrical shells with one or both end closures, and 4) welded subassemblies with welded connecting piping by internal pressure with static, repeated-static, or prolonged loading. The

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L 52709-65
ACCESSION NR: AP5012641

changeover from one type test to another is made by changing individual components of the unit. The clamping of specimens before testing is effected by the hydraulic system which is actuated by the same pump that provides the test pressure. The clamping force increases automatically with increasing pressure. Pressures and the curvature of the bulge of a flat specimen and of the outside perimeter of the shell or container tested are recorded automatically. Author Certificate No. 169849 has been issued for the unit. Orig. art. has: 8 figures. [MS]

ASSOCIATION: MVTU im. Baumana

SUBMITTED: 00 ENCL: 00 SUB CODE: IE, AS

NO REF SOV: 002 OTHER: 001 ATD PRESS: 4012

Card 2/2

KURKIN, S.A., kand.tekhn.nauk; LUK'YANOV, V.F., inzh.; PARAKHIN, V.A., kand. tekhn.nauk; GUBANOV, Yu.N., inzh.

Unit for the testing of experimental models of welded thin-walled vessels under double axial tension. Svar.proizv. no.5:9-11 My '65. (MIRA 18:6)

1. Moskovskoye vysshoye tekhnicheskoye uchilishche im. Baumana.

ASHIROV, K.B.; GUBANOVA, A.I.; SURGUCHEV, M.L.; GUSEVA, L.N.; OPURIN, N.V.; YUGIN, L.G.

Geology and development of the Tarkhany field of the Oil Field Administration of the Buguruslan Petroleum Trust. Trudy Giprovostoknefti no.3:165-182 '61. (MIRA 16:7)

(Buguruslan region--Oil reservoir engineering)

GUBANOVA, A.P. (Novosibirsk)

Mid-line of a triangle. Mat. v shkole no.5:36 S-O '58. (MIRA 11:10)
(Triangle)

39128

S/020/62/144/003/022/030
B119/B101

5.4600

AUTHORS: Zimin, A. V., Verina, A. D., Sidorova, L. P., and Gubanova, A. V.

TITLE: Radiochemical synthesis of organosilicon and organofluorosilicon compounds

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 3, 1962, 576-578

TEXT: Compounds of the type C_nH_{2n}, $C_nH_{2n-m}F_m$, C_6H_6 and C_6H_5Cl on the one hand, $HSiCl_3$, H_2SiCl_2, CH_3SiHCl_2 and $C_2H_5SiCl_2H$ on the other, were made to react mutually under the action of γ-rays (Co^{60}) at +20°C and +70°C. The resulting reaction products were fractionated by multiple condensation. The individual components were subjected to elementary analysis. Molecular weight, density, refractive index, and molar refraction were determined. A number of known compounds and the new compounds $(C_3HF_6)SiCl_3$ (d^{20} =

Card 1/3

Radiochemical synthesis of ...

= 1.6170, n_D^{20} = 1.3610, MR = 39.06, b. p. 84°C/756.5 mm Hg); $(C_3HF_6)_2SiCl_2$ (d^{20} = 1.7202, n_D^{20} = 1.3413, MR = 49.39, b. p. 160°C); $(C_3HF_6)CH_3SiCl_2$ (d^{20} = 1.4610, n_D^{20} = 1.3338, MR = 39.61, b. p. 94°C/749 mm Hg); $(C_3HF_6)C_2H_5SiCl_2$ (d^{20} = 1.4342, n_D^{20} = 1.3710, MR = 44.107, b. p. 110-112°C/ /752 mm Hg), and $C_2HF_4ClSiCl_2$ (d^{20} = 1.5138, n_D^{20} = 1.3645, MR = 34.718) were found. This synthetic method can be applied where the polymerization rate of olefins is lower than their reaction rate with chloro silanes. The radiation chemical yield (G) and the quantitative yield in reaction products depend on the molar quantitative ratio of the initial substances (optimum: 1 olefin molecule per H atom of chloro silane). The change of reaction temperature does not affect the radiation chemical yield of perfluoro (alkyl-dialkyl) chloro silanes (G = 80 - 100 molecules/100 ev) and of aryl chloro silanes (G = 6 - 10 molecules/100 ev). With (alkyl- -dialkyl) chloro silanes, G increases from 8-10 molecules/100 ev at 20°C to 160-210 molecules/100 ev at 70°C. There is 1 table. The most important English-language reference is: A. K. El-Abbady, . . ;

Card 2/3

S/020/62/144/003/022/030
B119/B101

Radiochemical synthesis of...

L. C. Anderson, J. Am. Chem. Soc. 80, 1737 (1958).

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova
(Physicochemical Institute imeni L. Ya. Karpov)

PRESENTED: January 17, 1962, by V. A. Kargin, Academician

SUBMITTED: January 12, 1962

Card 3/3

L 1342-66 EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(l) GG/RM

ACCESSION NR: AP5024363 UR/0286/65/000/015/0031/0031

AUTHOR: Zimin, A. V.; Verina, A. D.; Gubanova, A. V.

TITLE: A radiochemical method for producing alkyl dialkylchlorosilanes. Class 12, No. 173229

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 31

TOPIC TAGS: silane, organosilicon compound, gamma radiation, radiation chemistry

ABSTRACT: This Author's Certificate introduces a radiochemical method for producing alkyl dialkylchlorosilanes by interacting silicon hydrides with unsaturated compounds under γ-radiation. The product yield is increased by conducting the process at a temperature of 60-70°C.

ASSOCIATION: none

SUBMITTED: 02Jan65 ENCL: 00 SUB CODE: OC, GC

NO REF SOV: 000 OTHER: 000

Card 1/1

GUBANOVA, G.A., inzh.

Piece stamping on a press with a turret head and coordinate table. Vest.mashinostr. 42 no.9:66-67 S '62. (MIRA 15:9)
(Sheet-metal work)

ZUDILIN, Vasiliy Ivanovich; GUBANOVA, G.A., red.

[Automatic geared-dial band and strip feeding from stock to die] Zubchato-diskovaia avtomaticheskaia podacha lent i polos iz stopy v shtamp. Leningrad, 1965. 8 p.
(MIRA 18:5)

GUBANOVA, I. I.

Name: GUBANOVA, I. I.

Dissertation: Rotation of a curvilinear elastic rod in an undeformable curvilinear shell

Degree: Cand Tech Sci

Defended at: ~~Affiliation:~~ Latvian State U

Publication or Defense Date, Place: 1956, Riga

Source: Knizhnaya Letopis', No 2, 1957

SOV/124-57-7-8300

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 7, p 130 (USSR)

AUTHOR: Gubanova, I. I.

TITLE: The Rotation of a Curvilinear Elastic Rod Within an Undeformed Curvilinear Shell (Vrashcheniye krivolineynogo uprugogo sterzhnya v nedeformiruyemoy krivolineynoy obolochke)

PERIODICAL: Izv. AN LatvSSR, 1956, Nr 10, pp 127-140

ABSTRACT: The author investigates the behavior of a curved elastic rod inside an undeformed flexible shell, the rod being acted upon by a torque moment applied to one of its ends. The rod is contained within the shell without any gap or space between them. The rod's axial-line curvature is considered to be constant along the rod's entire length, and its cross-sectional diameter is small as compared with the radius of curvature of its axis. In the examination made of the motion of the rod neither the friction forces nor the inertia forces are taken into account. Expressions are evolved for the shear strains and tensile (or compressive) strains; a determination is made of the normal and tangential stresses and of the internal stresses at any cross section of the rod. Allowance is made for the influence exerted by the initial stresses

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SOV/124-57-7-8300

The Rotation of a Curvilinear Elastic Rod Within an Undeformed Curvilinear Shell

caused by fitting an already curved rod into a curved shell having a radius of curvature [Transl. Ed. Note: "banana"] different from that of the rod. The author evolves for the problem a differential equation, which she integrates in terms of elliptic functions. She establishes a nonlinear relationship between the respective angles of rotation of the two ends of the rod and thus, also, between the respective angular velocities thereof. Relationships are given wherein the variation of the rotational reaction of the rod is shown to be a function of the angle of rotation of the end section. It is noted that any initial curvature in the core of a flexible shaft wherein there are no interlaminar gaps will cause a disparity in the angular velocities of the two ends of the shaft. In shafts in which there are interlaminar gaps any initial curvature in the core tends to increase considerably the amount of tangential stress present. The author describes an apparatus designed and built to test the validity of her theoretical conclusions. The experimental findings accord well with the calculation results. Bibliography: 4 references.

Yu. P. Grigor'yev

Card 2/2

GRIBANOVA, I.I.

25(0) PHASE I BOOK EXPLOITATION SOV/1209

Akademiya nauk Latviyskoy SSR. Institut mashinovedeniya

Voprosy dinamiki i prochnosti (Problems of Dynamics and Strength) Riga, Izd-vo AN Latviyskoy SSR, 1958. 178 p. (Series: Its: Sbornik statey, vyp. 5) 1,500 copies printed.

Ed.: Vengranovich, A.; Tech. Ed.: Inkis, R.; Editorial Board of Series: Panovko, Ya.G., Doctor of Technical Sciences, Professor (Resp. Ed.); Aynbinder, S.B., Candidate of Technical Sciences, Docent; Kalinin, N.G., Candidate of Technical Sciences, Docent.

PURPOSE: This book is intended for research engineers and scientists concerned with problems of dynamics and strength of structures.

COVERAGE: The book is a collection of ten research papers, prepared by members of the Akademiya nauk Latviyskoy SSR (Academy of Sciences of the Latvian SSR), the Latviyskiy gosudarstvenniy universitet (Latvian State University) and the Rizhskoye Krasnoznamennoye vysshaye inzhenerno-aviatsionnoye voennoye uchilishche (Riga Red-Banner Higher Military School for Aeronautical Engineering imeni

Card 1/3

K.E. Voroshilov) dealing with miscellaneous problems in the dynamics of machines, and the strength, stability, and hysteresis of structures. The scope of the articles is indicated by the table of contents below. Each individual report is accompanied by references.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

MS/lsb
3-9-59

GUBANOVA, I.I.

Conference on problems in elastic vibrations. Stroi.mekh.i rasch.soor. 1 no.6:52-3 of cover '59. (MIRA 13:4)
(Vibration)

CUBANOVA, I.I.

Conference on the problem of elastic vibrations of mechanical systems. Stroi. mekh. i rasch. soor. 3 no.5:46-47 '61. (MIRA 14:10)

(Vibration--Congresses)

PANOVKO, Yakov Gilelevich; GUBANOVA, Iskra Ivanovna; SMITKO, I.K., red.

[Stability and vibrations of elastic systems; modern concepts, paradoxes, and errors] Ustoichivost' i kolebaniia uprugikh sistem; sovremennye kontseptsii, paradoksy i oshibki. Moskva, Izd-vo "Nauka," 1964. 336 p. (MIRA 17:5)

L 24463-65

ACCESSION NR: AP5005409 S/0179/64/000/005/0173/0176

AUTH: Gubanova, I. I.; Labendel, E. E.

TITLE: Meeting on the problems of nonlinear oscillations in mechanical systems

SOURCE: AN SSSR. Izvestiya. Mekhanika i mashinostroyeniye, no. 5, 1964, 173-176

TOPIC TAGS: nonlinear oscillation, nonlinear mechanical system, shell dynamic stability, vibro isolation, vibrodamping, dry friction effect, oscillatory process simulation

ABSTRACT: The annual meeting on nonlinear oscillations in mechanical systems, held in Riga on 1—6 July 1964, was attended by some 400 Soviet engineers and scientists. Ninety papers were presented. The largest number of papers dealt with the following topics: 1) general methods for solving oscillation problems in nonlinear systems; 2) nonlinear vibrations and dynamic stability of shells, rods, and beams; 3) the performance of vibratory machinery and vibratory installations; 4) vibration dampers; 5) nonlinear vibrations of systems with dry friction; and 6) electrical simulation of vibratory processes.

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L 24463-65

ACCESSION NR: AP5005409

A series of papers were presented on the application of methods of nonlinear mechanics to the solution of nonlinear oscillation problems (particularly in mechanical systems), the method of a small parameter, the method of harmonic balance (harmonic linearization or the method of averaging), the method of successive linearization, and the methods of Chebyshev approximation. The dynamic stability and vibrations of cylindrical, spherical, and shallow shells, and of rods, were studied under various loading and temperature conditions. The concentration of stresses in vibrating shells and determination of natural oscillation frequencies with nonlinear elasticity were also considered. The largest number of articles was dedicated to vibratory machines or installations with vibratory elements. The performance of such machines, as applied to various processes, their performance characteristics, and their peculiarities are analyzed. Another series of papers dealt with problems of vibro-isolation and vibrodamping, in particular, mechanical systems, with determination of optimal parameters of dampers as well as with the study of characteristics of elastic damping materials.

Card 2/3

L 24463-65

ACCESSION NR: AP5005409

The effect of various types of dry friction upon the vibratory processes in mechanical systems was analyzed in several papers. The application of the electrical simulation of oscillatory processes to the study of the behavior of particular mechanical systems was considered in still another series of papers.

ASSOCIATION: none

SUBMITTED: 09Aug64 ENCL: 00 SUB CODE: AS

NO REF SOV: 000 OTHER: 000 ATD PRESS: 3173 F

Card 3/3

GUBANOVA, L.G.; GUBANOV, G.Ya.

Physiology of the dormant stage in cotton seeds.
Agrobiologiia no.4:537-543 Jl-Ag '61. (MIRA 14:7)

1. Institut selektsii i semenovodstva khlopchatnika Uzbekskoy akademii sel'skokhozyaystvennykh nauk, Tashkent.
(Cottonseed) (Dormancy in plants)

SARATOV, I.Ye.; GUBANOVA, L.N.; REYKHSFEL'D, V.O.

Self-association of aromatic monoorganosilanes. Zhur. ob. khim. 35 no.6:1120-1121 Je '65. (MIRA 18:6)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

GUSAKOVA, M. K., [illegible]

Dissertation: "Methods for Production Control of Certain Kinds of Forgings and Welded Joints With the Aid of Ultrasonics." Cand Tech Sci, Central Sci Res Inst of Technology and Machine Building (TsNIITMash), 19 Apr 54. (Vechernyaya Moskva, Moscow, 9 Apr 54)

SO: SUM 243, 19 Oct 1954

GUBANOVA, M.R., kandidat tekhnicheskikh nauk; PUSHKIN, V.P., tekhnik.

New method of controlling weld joints of steam pipes made of steels. Energomashinostroenie 3 no.5:22-25 My '57. (MLRA 10:6)
(Steampipes--Welding)

135-8-8/19

SUBJECT: USSR/Welding

AUTHOR: Gubanova, M.R., Candidate of Technical Sciences.

TITLE: Ultra sonic Defectoscopy of Electric Slag-Welded Joints. (Ultrazvukovaya defectoskopiya shvov, vypolnennykh elektroshlakovoy svarkoy).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 8, pp 22-25 (USSR)

ABSTRACT: The article deals with the general principles of defectoscopy applied to slag-welded joints in parts of heavy hydraulic presses, developed by "TsNIITMASH" in collaboration with the Novo-Kramatorsk Machinebuilding Plant (in Kramatorsk), and with the design and work of the new special defectoscopes "УЗД-7Н" and "УДЦ-10".

The special "УЗД-7Н" defectoscope differs from the "УЗД-7Н" standard model by higher (3-fold) sensitivity and lower working frequency (1.8 Mc/s instead of 2.5 Mc/s). The "УДЦ-10" has basically the same parameters, it is a device for direct locating of defects by coordinates, weighs 10 kg, is small and handy in shop work, but its electric system is simplified and adjusted for production inspections. Defects are indicated by

Card 1/3

TITLE: Ultrasonic Defectoscopy of Electric Slag-Welded Joints. (Ultrazvukovaya defectoskopiya shvov, vypolnennykh elektroshlakovoy svarkoy).

a neon lamp on the prismatic piezoelectric detector.

The welding defects characteristic for multi-layer welding are nearly completely absent in slag welding, but when the normal technology is disturbed, non-fusion and cracks may result. These defects show peculiar features which can be utilised in reading the defectoscope oscillograms. Schematic diagrams in the article illustrate how the instrument reflects various kinds of non-fusion, cracks, and combinations of both these defects.

The defectoscopy described is now in use at the Novo-Kramatorsk Machinebuilding Plant and at the Barnaul Boiler Plant for inspecting the production of hydraulic press parts up to 400 mm thickness. The next task will be the development of inspection techniques for joints of 1000 mm thickness.

The defectoscope "УДЦ-10" has been designed by P.P. Shiroshenskiy; its new special features - by M.F. Krakovyak and V.I. Ryzhov

135-8-3/19

TITLE: Ultrasonic Defectoscopy of Electric Slag-Welded Joints. (Ultrazvukovaya defectoskopiya shvov, vypolnennykh elektroshlakovoy svarkoy).

The article contains 1 photograph and 5 diagrams.

ASSOCIATION: "TsNIITMASh".

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 3/3

GUBANOVA, M.R.

25(6) PHASE I BOOK EXPLOITATION SOV/1498

Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya

Ul'trazvukovyye pribory TsNIITMASh (TsNIITMASh Ultrasonic Equipment) Moscow, Mashgiz, 1958. 85 p. (Series: Its: [Trudy] kn. 88) 3,000 copies printed.

Ed.: A.S. Matveyev, Candidate of Technical Sciences; Tech. Eds.: Ye.S. Gerasimova and A. F. Uvarova; Managing Ed. for Literature on Machine Building and Instrument Making (Mashgiz): N.V. Pokrovskiy, Engineer.

PURPOSE: This book is intended for engineering and technical personnel of plants and scientific research institutes engaged in the development of ultrasonic equipment and methods for inspecting metal products, and for those who use such equipment.

COVERAGE: This is a collection of articles describing work done by the Instrument-making Department of TsNIITMASh (Central Scientific Research Institute of Technology and Machinery) during the period 1954-1956 on the development of ultrasonic equipment for detection of flaws and measurement of thicknesses. Various ultrasonic flaw detectors and thickness gages developed during the period 1950-1956 are described.

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TsNIITMASh Ultrasonic Equipment SOV/1498

An article by V.I. Ryzhov and M.F. Krakovyak presents a detailed description of a frequency deviator developed by the authors for tuning of wideband amplifiers. The device has two frequency ranges: 0.5 to 1.5 and 1.4 to 1.5 megacycles. It is stated that the use of this device facilitates the adjustment of ultrasonic flaw-detectors. The outlook for future application of ultrasonics in heavy machinery building is also discussed.

TABLE OF CONTENTS:

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AVAILABLE: Library of Congress

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GO/fal
4-22-59

GUBANOVA, M. P.

25(6) PHASE I BOOK EXPLOITATION SOV/2555

Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti. Ukrainskoye respublikanskoye pravleniye

Novyye metody kontrolya i defektoskopii v mashinostroyenii i priborostroyenii (Doklady Respublikanskoy konferentsii) (New Methods of Inspection and Flaw Detection in the Machinery and Instrument-manufacturing Industries (Reports of the Conference Held at Kiyev, 1956)) Kiyev, Gostekhizdat USSR, 1958. 264 p. 4,700 copies printed.

Sponsoring Agency: Akademiya nauk USSR.

Ed.: A. Amelin; Tech. Ed.: P. Pasaliyuk; Editorial Board: I.I. Greben', B.D. Grozin, A.Z. Zhmudskiy, G.N. Savin (Resp. Ed.), I.D. Payerman (Dep. Resp. Ed.), and A.A. Shishlovskiy.

PURPOSE: This book is intended for engineers, scientific workers, and technicians dealing with problems of inspection and flaw detection.

COVERAGE: This is a collection of scientific papers presented at a conference sponsored by the Academy of Sciences, UkrSSR, and the Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti, Ukrainskoye pravleniye (Ukrainian Branch, Scientific and Technical Society of the Instrument-manufacturing Industry). The papers deal with modern methods of inspection and flaw detection used in the machinery- and instrument-manufacturing industries. The subjects discussed include the use of electron microscopes in the investigation of metal surfaces; X-ray, gamma-ray, luminescense, magnetic, and ultrasonic methods of flaw detection; use of radioactive isotopes; X-ray diffraction methods of metal analysis; and the use of interferometers for measuring length and thickness and determining the coefficient of linear thermal expansion. No personalities are mentioned. References follow several of the papers.

Card 5/9

GUBAIKOVA, M.R., kand. tekhn. nauk.

Ultrasonic defectoscopy of some types of heavy welded seams.
[Trudy] TSNIITMASH 88:41-65 '58. (MIRA 12:3)
(Ultrasonic waves--Industrial applications)

GUBANOVA M. K.

PHASE I BOOK EXPLOITATION SOV/3528

Moscow. Dom nauchno-tekhnich. obsh propagandy

Primeneniye ul'trazvuka v promyshlennosti; sbornik statey (Industrial Use of Ultrasound; Collection of Articles) Moscow, Mashgiz, 1959. 301 p. 8,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Ed. (Title page): V.F. Nozdrev, Doctor of Physical and Mathematical Sciences, Professor; Ed. (Inside book): G.F. Kochetova, Engineer; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on Machinery and Instrument Manufacturing (Mashgiz): M.V. Pakrovskiy, Engineer.

PURPOSE: This book is intended for engineers and technicians engaged in the application of ultrasonics in machinery manufacture and in other branches of industry.

COVERAGE: This is a collection of papers read at the first all-Union conference on the use of ultrasonics in industry. Attention is focused mainly on the description of ultrasonic equipment and on the use of ultrasound for the machining of hard materials and for flaw detection. The effect of ultrasound on metal-crystallization processes is also discussed. No personalities are mentioned. References accompany many of the papers.

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AUTHORS: Gubanova, M. R., Yeremin, N. I., Yermolov, I. N., and Matveyev, A. S.

TITLE: New methods and instruments for the nondestructive material control, developed at TsNITIMASh

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 4, 1961, 499-501

TEXT: This is a report on the results of the principal studies on defectoscopy, conducted at the laboratoriya defektoskopii (Laboratory for defectoscopy) of the authors' institute (see Association) in the past 2-3 years. Immersion - ultrasonic method. Full immersion. It opens ample possibilities for automation in defectoscopy. The following methods and instruments belong here: A. Laboratory model of ИДЦ-1 (IDTs-1) defectoscope for the detection of faults in turbine disks. The device may be used also for other workpieces by allowing the tank, in which they are to be dipped, to be modified conformingly. B. Apparatus and methods of automatic control of thin-walled tubes by Lamb's waves. The ИДЦ-2 (IDTs-2) defectoscope used for this purpose is able to detect

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both the faults inside the metal and on the inner and outer tube surface. C. Immersion - ultrasonic thickness gauge ИТЦ-3 (ITTs-3). It operates without contact with the workpiece (tube) basing on the n-times reflected pulse. Partial immersion. D. The acoustic contact between radiator and workpiece is brought about by a jet of water. This method is suited for large-sized products (large-size sheets and tubes). Penetrating acoustic irradiation. E. Ultrasonic defectoscope ШД-1 (ShD-1) for the automatic control of tires. The types under A - E are intended for control in series production, and thus have a closely specialized range of application. Ultrasonic pulse-contact method. F. Control of thick welded joints (up to 350 mm) (electric slag method) is performed by means of a УДЦ-10 (UDTs-10) defectoscope operating with four frequencies. A neon lamp (12 kg weight) serves as an automatic signal lamp for it. Thicker welded joints caused the laboratory to examine the basic laws governing the propagation of ultrasonics. The result of these studies has been the УДЦ-11 (UDTs-11) defectoscope which is able to control welded joints up to 500 mm thick, and detects defects of 3-5 mm. G. Original methods of controlling welded products by layers have been developed. H. A method of determining the magnitude of defects in

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forgings on the basis of the amplitude of the reflected signal has been worked out. I. Resonance - ultrasonic method. The respective control systems have been improved. The resonance-defectoscope thickness gauges УРТ-5 (URT-5) and УРТ-6 (URT-6) permit thickness to be read off a scale without diagrams nor computation devices. This is achieved by an additional measuring circuit with a straight-line frequency adjustable condenser. J. Various disturbances have been eliminated. K. Radioscopy with X- and gamma rays. Optimum conditions have been worked out for this process, and models of scintillation recorders of radiation have been developed. L. Both advantages and drawbacks of the gamma scintillation method have been examined. M. A special magnetic defectoscope ДКН-1 (DKN-1) has been developed for the control of drive shafts and other large workpieces with the greatest possible mechanization of the process. Test models are used for controlling the cold-rolling process and pipes at the Novo-Kramatorskiy mashinostroitel'nyy zavod (Novo-Kramatorskiy Machine-building Works), and axles at the Novocherkasskiy elektrovoznyy zavod (Novocherkassk Electric Locomotive Works). N. A special magnetic transportable defectoscope ДМП-2 (DMP-2) which operates with magnetic powder defectoscopy and serves for layer examination of defects deep

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MANUKOVSKIY, N.F., Geroy Sotsialisticheskogo Truda, brigadir; LEBEDEVA, A.T., zven'ev. Geroy Sotsialisticheskogo Truda; KOLYADINA, A.A.; GUSEVA, N.F.; GUBANOVA, M.T.; GURENKO, A.G., svinar'; SVIRIDOV, I.G., svinar'; SHERSHOVA, M.V., zootekhnik; GORIN, D.P.; TAMBOVTSEV, P.K.; ULIN, I.; SAYTANIDI, L.D., tekhn. red.

[Leaders of socialist competition from Voronezh tell their stories] Rasskazyvaiut peredoviki-voronezhtsy. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1960. 54 p. (MIRA 14:11)

1. Brigada kompleksnoy mekhanizatsii kolkhoza imeni Kirova Voronezhskoy oblasti (for Manukovskiy). 2. Kolkhoz "Rossiya" Voronezhskoy oblasti (for Lebedeva, Shershova). 3. Ryadovyye zvena vysokoy proizvoditel'nosti kolkhoza imeni Stalina Voronezhskoy oblasti (for Kolyadina, Guseva). 4. Zven'yevaya kolkhoza imeni S.M.Kirova Voronezhskoy oblasti (for Gubanova). 5. Sovkhoz "Vorob'yevskiy" Voronezhskoy oblasti (for Gurenko). 6. Sovkhoz "Maslovskiy" Voronezhskoy oblasti (for Sviridov). 7. Predsedatel' kolkhoza "Podgornoye" Voronezhskoy oblasti (for Gorin). 8. Direktor sovkhoza "Vtoraya pyatiletka" Voronezhskoy oblasti (for Tambovtsev).

(Voronezh Province—Stock and stockbreeding)
(Socialist competition)